DAP. ANNEX F

ALSEP

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ALSEP

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ANNEX F

DATA ACQUISITION PLAN
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MCC/STDN VALIDATION TESTING
AND SUPPORT MANUAL

Prepared by:

GROUND DATA SYSTEMS DIVISION

National Aeronautics and Space Administration

LYNDON B. JOHNSON SPACE CENTER

Houston, Texas

DATA ACQUISITION PLAN

ANNEX F

MCC/STDN VALIDATION TESTING AND SUPPORT MANUAL

FOR ALSEP

ORIGINAL
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Joseph R. Vice, Head,
Control Center Operations Section

James E. Mager, Chief,
Operations Integration Branch

PREFACE

This document is prepared by the Control Center Operations Section, Operations Integration Branch, Ground Data Systems Division, to provide test procedures to be used for validating the compatibility of STDN to MCC and their readiness to support the ALSEP program.

CONTENTS

MCC/STDN VAL 1051

ALSEP TELEMETRY SYSTEM

1.1 OBJECTIVE

To demonstrate the validity of the telemetry HSD I/F's between all Stations supporting the ALSEP program and MCC.

1.2 DESCRIPTION

The ALSEP confidence tape is used as the source of test data by the Stations. All mission specific functions including program restraints and related indications are exercised and validated by verifying that specific indications occur at MCC and the Stations. The TEST Conductor (ALSEP NETWORK) ensures that all generic and mission specific requirements reflected in DAP, ANNEX E-2 are exercised and validated.

1.3 REQUIREMENTS

1.3.1 TIME

Three hours are required to complete the test with each Station.

1.3.2 EQUIPMENT

1.3.2.1 MSC. Identified in NET VAL Count NC5 and normal ALSEP Mission Configuration.

1.3.2.2 GSFC. Normal VAL test configuration to include:

a. CP with mission program.
b. HSD circuit to selected Station.
c. HSD circuit to MCC.

1.3.2.3 Stations. Stations as per Operations schedule and configured with:

a. Normal telemetry system for ALSEP support.
b. Data/Voice circuits to MCC/GSFC as required.

1.3.3 PERSONNEL

a. ALSEP NETWORK
b. COMM CONTROL
c. AIC
d. FACS
e. ASE

1.4 PROCEDURE

1.4.1 PRETEST

a. Telemetry special processing testing (refer to Taole 1) is supported by MCC, GSFC, and the Station.

b. The data source for the test will be the current ALSEP/P&FS confidence tape.

c. This test may be run in conjunction with the ALSEP Command VAL test 2051.

1.4.2 TEST

The table containing the step-by-step procedure is formatted as follows:

a. The SEQ column indicates the order in which to perform the individual steps within the test.

b. The TEST column indicates the type of test in progress or a specific function that is being tested.

c. The POSITION column contains a list of the personnel directly required or interfaced with for performing the individual steps within the test.

d. The ACTION AND REMARKS column contains the instructions for performing the individual steps of the test.

e. The INDICATION column identifies the results of the step performed as well as the device(s) providing the indication. Test results are obtained from any one or any combination of the following:

1. MED 2260 (ALSEP NETWORK's console)
2. Console indicators (ALSEP NETWORK's console)
3. HSP (STATION OPSR)

1.4.3 POST TEST

ALSEP NETWORK conducts a test debriefing to determine if a test repeat is required.

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
1		STATION	Confirm Station's ALSEP SRT complete and ready for interface with MCC in an operational configuration as follows: a. RSDP initialized as follows: (1) STA: DWN (2) Format 1, 2A-1B (3) ALSEP MWP 5000 Msec. (4) ALSEP Critical groups 1 through 6 disabled. (5) Destination code: 160 octal. b. ALSEP/P&FS confidence tape loaded. c. Decom LIVE/PLAYBACK bit not set.	
2		COMM MGR	Goddard CP operational and configured to output station data to MCC.	
3		ALSEP NETWORK	ALCS initialized ALSEP 2A-1B	2260/CONSOLE: No Data received
4		STATION	Inform ALSEP NETWORK of program and errors loaded in RSDP.	
5		ALSEP NETWORK STATION ASE	Confirm all positions are ready to begin test.	
6	PASS 1	ALSEP NETWORK STATION	Patch DECOMS to ALSEP 2/1 tracks (NBR)	
7		ALSEP NETWORK ASE	Verify display guide. Verify ALSEP A & B auto print modes disabled.	
8		ALSEP NETWORK STATION	Start tape at T+00:00 and run to T+45:00 (normal bit rate to T+25:00)	HSP: NBR LK CX ALSEP 2 TP NBR LK CX ALSEP 1 TP
9		ASE	Initiate ALSEP 1 Central Station SIDE, PSE, LSM and SWS high speed printouts.	2260

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
10		ASE	Initiate ALSEP A2 Central Station, SIDE, PSE, LSM SWS, and HFE high speed printouts.	
11		ALSEP NETWORK	Enable ALSEP A and B auto print modes.	
12		ASE	Adjust ALSEP 2 and 1 critical limits to give out-of-tolerance to force auto printouts.	
13		ALSEP NETWORK	Disable ALSEP A and B auto print modes.	
14		ALSEP NETWORK ASE	Adjust ALSEP 2 and 1 critical limits back to normal, then cycle through out-of-tolerance for the following: ALSEP 1: CS, LSM, SWS, SIDE ALSEP 2: CS, SIDE, LSM, HFE ALSEP 3: CS, LSM, HFE ALSEP 4: CS, SIDE, CPLEE	ALSEP 5 CS LMS LEAM LSG HFE
15		ALSEP NETWORK STATION	ALSEP NETWORK Confirm change to LBR ALSEP 2 & 1 (T+25:00). Run tape to T+45:00.	
16		ASE	Repeat the previous IO SEQ's for LBR (ALSEP only).	
17	PASS 2	STATION	Rewind tape to T+00:00 and run to T+25:00.	
18		ASE ALSEP NETWORK	Change multicalibration parameters in NBR for ALSEP 2 and 1 to check curve selection.	
19	PASS 3	ALSEP NETWORK STATION	Rewind tape to T+00:00 and patch ALSEP 5, NBR in place of ALSEP 2.	
20		STATION	Select Format 1, 5A-1B.	HSP: FMT 1 SELECT 3A 1B.

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
21		ALSEP NETWORK	Initialize for 5A-1B.	
22		ASE	Repeat passes 2 and 3 for ALSEP 5 NBR/LBR.	
23	PASS 4	ALSEP NETWORK STATION	Rewind tape to T+00:00 and patch ALSEP 5 LSP track_____ to ALSEP 5 decom.	
24		STATION	Request Format 3	HSP: Telemetry Format 3 Selected
25		ALSEP NETWORK	Confirm loss of NBR/LBR data	2260/console Format flag on
26		ALSEP NETWORK	Enter: LSP Start	2260/console: A5 FILL/static format flag off.
27		ALSEP NETWORK	Configure MCC chart recorders for LSP HI SAMPLE rate test (first 5 minutes of tape). Disable ALSEP 5 auto print mode.	
28		ALSEP NETWORK STATION	Start tape at T+00:00 NOTE: Log MCC sync to obtain a delog of HI sample rate test.	2260/Console: LSP sync HSP: LSP LK CX ALSEP 5 TP
29		ALSEP NETWORK	Repeat the previous two sequences if required.	
30		ASE	Start ALSEP 5 LSP downlink check. Initiate LSP printouts.	
31		ALSEP NETWORK	Enable ALSEP 5 auto print mode.	FCT HSP: High speed printouts.
32		ALSEP NETWORK STATION	Rewind tape to T+00:00 and patch decoms to ALSEP 3/4 tracks.	
33		STATION	Request Format 1, 3A-4B	HSP: Format 1 Select 3A 4B

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
34		ALSEP NETWORK	Enter LSP stop	
35	PASS 5	ALSEP NETWORK STATION	Rewind tape to T+15:00 and patch CVW downlist. ALSEP 5 (NBR) track_____to run to T+35:00.	
36		ALSEP NETWORK ASE	Observe ALSEP A CVW lights and verify that ALSEP A ALCS command history prints every 20 CVW's received.	Console: ALSEP A CVW on ALSEP A history every 20 CVW's.
37		STATION	HSP will printout every CVW received and how many times it was received.	
38		ALSEP NETWORK	INIT 3A-4B	
39	PASS 6	ALSEP NETWORK STATION	Repeat PASS 1 sequences for ALSEP 3 & 4 NBR/LBR.	
40	PASS 7	STATION	Rewind tape to T+00:00 and patch to ALSEP 4 HBR track.	
41		STATION	Request Format 2	HSP: Telemetry Format 2 selected
42		ALSEP NETWORK	Confirm loss of NBR/LBR data. Enter ASE Start 4.	
43		ALSEP NETWORK	Configure MCC chart recorders for ASE Hi Sample Rate test (first 30 seconds of tape). Disable ALSEP 4 ASE Auto Print mode.	
44		ALSEP NETWORK STATION	Start tape at T+00:00. NOTE: Log MCC SYNC to obtain a delog of Hi Sample Rate test.	2260/Console: ASE SYNC. HSP: HBR LK CX ALSEP 4 TP
45		ALSEP NETWORK	Repeat the previous two SEQ's if required.	

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
46		ASE	Start ALSEP 4 ASE downlink, case 6 checks.	
47		ASE ALSEP NETWORK	Configure chart recorders for ASE mode.	
48		ASE	Initiate active seismic printout.	
49		ASE	Enable ALSEP 4 ASE auto print mode.	High Speed Printouts
50	PASS 8	ALSEP NETWORK	Rewind tape and repeat pass 7 for ALSEP 3 ASE HBR.	
51		ALSEP NETWORK	Enter: ASE STOP 4 and then enter ASE START 3.	
52		STATION	Rewind tape to T+00:00 and request Format 1, 3A 4B	HSP: Format 1 Select 3A-4B
53		ALSEP NETWORK	ENTER ASE, STOP, 3	
54		STATION	Set Decom LIVE/PLAYBACK bit.	
55		STATION	Rewind tape to T+00:00 and patch decom to 2/1 tracks (NBR).	
56		STATION	Request Format 1, 2A-1B	HSP: Format 1 Select 2A-1B
57		ALSEP NETWORK	INIT 2A-1B, with playback on both vehicles.	
58		STATION	Start tape.	
59		ALSEP NETWORK	Verify playback indications on console TLM status.	
60		STATION	Rewind tape to T+00:00	
61		ALSEP NETWORK STATION	Standby for further tape playbacks on test debriefing.	

MCC/STDN VAL 2051
ALSEP COMMAND SYSTEM

1.1 OBJECTIVE

To demonstrate the hardware and software compatibility of the STDN/GSFC/MCC command interface and to confirm its state of readiness for ALSEP support.

1.2 DESCRIPTION

The ALSEP Simulator is used as the source of test data by the Stations. Normal uplink and special processing functions of the RSDP are exercised and validated by confirming that specific indications occur at MCC and the Station. All ALSEP vehicle-decoders are exercised and validated. The Test Conductor (ALSEP NETWORK) ensures that all generic requirements and RTC's related to the ALSEP command system and defined in Annex C-2 of the DAP are exercised and validated.

1.3 REQUIREMENTS

1.3.1 TIME

Approximately two hours are required to complete the entire test with each Station. The test may be performed in its entirety or in parts as follows:

a. VAL Test 2.1, ALSEP Special Processing (Refer to Table 1).
b. VAL Test 2.2, Normal Uplink Processing (Refer to Table 2).

1.3.2 EQUIPMENT

1.3.2.1 MSC. Identified in NET VAL Count NC5 and FOSO configuration codes:

a. 1268 for 2.1 (Delete 418 computer).
b. 1269 for 2.2 (Delete DTTU, STRA, and 418 computer).

1.3.2.2 GSFC. Normal ALSEP VAL test configuration to include:

a. HSD/LSD transmit/receive circuits to selected Station.
b. HSD lines to/from MCC.
c. CP with Mission Program.
d. Site in TTY mission isolation.

1.3.2.3 STATIONS. Stations as per NCG schedule and configured with:

a. Normal ALSEP command system.
b. RSDP loaded with ALSEP operational program.
c. PCMGS and PCM simulator.

1.3.3 PERSONNEL

a. ALSEP NETWORK
b. COMM CONTROL
c. AIC
d. FACS
e. FCT
g. STATION

1.4 PROCEDURE

1.4.1 PRETEST

a. The test may be performed in its entirety (2051.1 and 2051.2) by MCC, which requires the support of GSFC CP and the Station.

b. The Station may be required to perform the normal uplink section 2051.2 as scheduled by MCC. STATION will perform 2051.2 in Mode I.

c. A command history is required from the Station for each or both "VAL 2051 tests. Thirty minutes should be allowed for TTY time.

1.4.2 TEST

The table containing the step-by-step procedures is formatted as follows:

a. The SEQ column indicates the order in which to perform the individual steps within the test.

b. The TEST column indicates the type of test in progress.

c. The POSITION column indicates personnel directly required or interfaced with for performing the test.

d. The ACTION AND REMARKS column contains the:

(1) Instructions for performing the step.
(2) Command executes
(3) Results of executes on 2260 MED or console indications.

e. The INDICATION column contains the Station's device/printout giving the indication for the performed action.

1.4.3 POST TEST

a. STATION will use the following addresses for sending post test data to MCC:

MAILING ADDRESS	TELETYPE ADDRESS
NASA-Johnson Space Center FS-4 Houston, Texas 77058 Attn: ALSEP NC	RR HANC Attn: FS-4 (ALSEP NC)

b. STATION mails the following data to MCC:

(1) CMD M&O HSP Printout
(2) CMD 1232 I/O Printout

c. STATION transmit, via TTY, command history immediately after test completion or within 24 hours after Mode 1 uplink is performed (2051.2 by Station only).

Table 1. VAL Test 2051.1, ALSEP SPECIAL Processing

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
1		STATION	Confirm Station's ALSEP SRT complete and ready for interface with MCC in an operational configuration as follows: a. RSDP initialized as follows: (1) Format 1, 2A-1B (2) ALSEP MWP 5000 Msec (3) All ALSEP critical RTC groups disabled (G1-G6) b. PCM simulator loaded with ALSEP 2 downlink format. c. ALSEP CVW has a zero in bit 10 (invalid MAP) and zeros in bits 3 thru 9. d. ALSEP CVW location: ALSEP 1 & 2 & 3 word 46; ALSEP 4, word 5 ALSEP 5, word 7. e. STATUS indications are: SCE ON-LINE, CMD NOT READY, DUMMY, IDLE OUTPUT, F/C MODE 2, TEST.	
2		ALSEP NETWORK	Verify data lines configured.	
3		STATION	Inform ALSEP NETWORK of program and errata loaded in RSDP.	
4		ALSEP NETWORK	ALCS initialized with ALSEP 2 in slot A, ALSEP 1 in slot B.	
5		STATION	Bring ALSEP carrier up into dummy load and apply modulation.	
6		STATION	CAM 991 - HSD ON.	
7		ALSEP NETWORK	Verify ALCS receiving ALSEP data format 1, 2A - 1B. (Simulator or tape data may be used)	
8		ALSEP NETWORK	Initiate/verify ALCS M&O mode.	2260/Console: M&O MODE.
9	STATUS CHECK	STATION	Request site status test CAM 988. Status CAP: SITE, SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE.	M&O HSP: SCE STATUS 10111 Console.

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
10		ALSEP NETWORK	Enter/Execute CEF 2A - 776 (ALSEP SITE Status Test). VAL. Status CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE.	M&O HSP: SCE STATUS 10111 2260/Console.
11	ALSEP INV PRINT-OUT	ALSEP NETWORK	Enter/Execute CEF 1A - 777 (ALSEP 1-4 RTC Inventory Summary). VAL. NOTE: Continue with the test during receipt of the RTC Inventory.	M&O HSP: HSD ALS TTY INV REQ INV SUM IN PRO-GRESS
12	ALCS ALSEP INVALID CONDI-TIONS	ALSEP NETWORK ASE	Initiate ALCS FC mode. Site select Station. Initiate Enable Mode	Console: FC ON SITE ON Console: ENABLE ON
13		ASE	Confirm: a. FC Mode b. Enable Mode c. Site Selected d. MAP OVRD Off.	
14		ASE ALSEP NETWORK	Enter RTC 2B - 110 Confirm RTC 2B - 110 entered.	2260/Console: ENT
15		ASE ALSEP NETWORK	Execute RTC 2B - 105. Confirm 2B - 105 not executed.	2260/Console: INV REQ NO CMPRE.
16		ALSEP NETWORK	Initiate ALCS M&O Mode.	Console: M&O
17		ASE	Confirm: a. M&O Mode b. Enable Mode c. Site Select d. MAP OVRD Off.	
18		ASE ALSEP NETWORK	Enter RTC 2B -105. Confirm 2B -105 not entered.	2260/Console: INV REQ M&O MODE.
19		ASE ALSEP NETWORK	Execute RTC 2B -110 Confirm 2B -110 not executed.	2260/Console: INV REQ M&O MODE.

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
20		ALSEP NETWORK ASE	Initiate ALCS FC Mode. Initiate Disable Mode.	Console: FC ON, DISABLE ON.
21		ASE	Confirm: a. FC Mode b. Disable Mode c. Site Selected d. MAP OVRD Off.	
22		ASE ALSEP NETWORK	Enter RTC 1A - 105. Confirm 1A - 105 not entered.	No indication.
23		ASE ALSEP NETWORK	Execute RTC 2B - 110. Confirm 2B - 110 not executed.	No indication.
24		ALSEP NETWORK ASE	Initiate Site Select Clear. Initiate Enable Mode.	Console: CLEAR ON/ENABLE ON
25		ASE	Confirm: a. FC Mode b. Enable Mode c. No Site Selected d. MAP OVRD Off.	
26		ASE ALSEP NETWORK	Enter RTC 2B - 022. Confirm 2B - 022 not entered.	2260/Console: INV REQ SITE ID.
27	VALID EXECUTE	ASE ALSEP NETWORK	Execute RTC 2B - 110. (SIDE EXECUTE) Confirm 2B - 110 executed. VAL. SCR.	M&O HSP: MCC UPLINK 110 2B RF DATA 016 067 110 S/C REJECT 000 0
28		ALSEP NETWORK	Confirm RTC Inventory is complete and valid. NOTE: G1-G4 should be disabled.	M&O HSP: INV SUM COMPLETED.
29		ALSEP NETWORK	Enter/Execute CEF 1A-773 (ALSEP 5 RTC Inventory Summary) NOTE: Continue with the test during receipt of the RTC inventory.	M&O HSP: HSD ALS TTY INV REQ INV SUM IN PROGRESS
30		ALSEP NETWORK	Site Select Station.	Console: SITE ON

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
31		ASE	Confirm: a. FC Mode b. Enable Mode c. Site Select d. MAP OVRD Off.	
32	ALSEP MWP TEST	ASE ALSEP NETWORK	Enter RTC 1A-005. Confirm 1A-005 entered.	2260/Console:
33		ASE STATION	Execute RTC 1A-005. VAL. SCR. NOTE: OPSR note RF uplink time and SCR time on HSP and report delta time to ALSEP NETWORK for determination of MWP.	M&O HSP: MCC UPLINK 005 3A RF DATA 062 172 005, MAP 000 0. M&O HSP: (delta time of 5 seconds seconds).
34		STATION	Initiate Mode 1. (CAM 979) INITIATE M&O Mode (CAM 978) and make the following changes: a. MWP = 1 second b. A2CVW = 000 000 110 1 c. Invalidate USB ground loop. d. DECOM for A2 data should be Realtime (Static) and any tape data being played should be inhibited. Auto Status CAP: SCE ON-LINE, CMD Ready, Dummy, Idle Output, M/O Mode, Mode 1, Operate.	M&O HSP: CMD Mode 1, CMD M&O Mode. ALS2 CX CVW 0061 SCE STATUS: 10111
35		ALSEP NETWORK	Depress ALCS A CVW HISTORY INHIBIT PBI.	Console: CVWA ON
36		STATION	Initiate FC Mode. (CAM 977) Auto Status CAP: SCE On-Line, CMD Ready, Dummy, Idle Output, F/C Mode, Mode 1, Operate.	M&O HSP: CMD FC MODE. SCE Status: 10111
37	ALSEP MAP/ OVRD/ GNDREJ TEST	STATION	Request/CAM uplink 006 2A. NOTE: While the Ground Loop is invalidated, the M&O HSP may print an asterisk for at least one number of the RTC complement.	M&O HSP: CAM UPLINK 006 2A RF DATA 116 *71 006 MAP VERIFY 006 1

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
38		STATION	Request/CAM uplink 007 2B.	M&O HSP: CAM UPLINK 007 2B RF DATA 016 *70 007 GND REJECT 0061 5
39		STATION	MAP OVRD ON REQ. (CAM 983)	M&O HSP: MAP OVER-RIDE ON.
40		ASE	Enter/Execute 2A-006 RSDP INVAL	M&O HSP: HSD NOT IN MODE 2.
41		STATION	Initiate MAP OVRD off REQ. (CAM 984) and Mode 2 (CAM 980) Make A2 CVW: 000 000 110 0. Auto Status CAP: SCE On-Line CMD Ready, Dummy, Idle Output, F/C Mode, Mode 2, Operate.	M&O HSP: CMD MODE 2 MAP OVERRIDE OFF ALS 2 CX CVW 0061 XXXX ALS 2 CX CVW 0060 SCE STATUS: 10111
42		ASE	Enter Execute RTC 1A-006. VAL. GDR.	M&O HSP: MCC UPLINK 006 1A GND REJECT 000 0 5 RF DATA 130 *71 006
43		ASE	Enter/Execute RTC 2A-006. VAL. GDR.	M&O HSP: MCC UPLINK 006 2A RF DATA 116 *71 006 GND REJECT 006 0 5.
44		STATION	Make the following changes: a. Change simulator to ALSEP 5 with CVW = 000 000 101 1 b. Select Format 1 5A - 1B. c. If 1051 test is running, the data should be completed for ALSEP 2 NBR/LBR before switching formats. The test 1 A5 NBR data can be started.	M&O HSP: ALS 2 CX CVW 006 0 XXXX NBR LK CX ALSEP 1 RT ALS 2 CX CVW 007 1 TELEMETRY FORMAT 1 SELECT 5A-1B
45		ALSEP NETWORK	INIT 5A - 1B Depress ALCS B CVW History Inhibit PBI	NC CONSOLE: CVW B Light ON

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
46		ASE	Enter/Execute 5A-005 VAL. VER.	M&O HSP: MCC UPLINK 005 5A RF DATA 151 *72 005 BAD GROUND LOOP MAP VERIFY 005 1
47		ASE	Enter/Execute 5A - 011 VAL. GDR. NOTE: If test 1051 is running, the LSP format should be started now.	M&O HSP: MCC UPLINK 011 5A RF DATA 151 *66 011 GND REJECT 005 1 5
48	ALSEP MWP CHANGE VALID GND TEST	STATION	Validate the USB ground loop and then request ALSEP Status Test (CAM 988). Status CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE	M&O HSP: 10111 2260/Console.
49		ASE ALSEP NETWORK	Enter RTC 1A-006. Confirm 1A-006 entered.	2260/Console.
50		ASE STATION	Execute RTC 1A-006. VAL. SCR. M&O note RF uplink time and SCR time on HSP and report delta time to ALSEP NETWORK for determination of MWP.	M&O HSP: MCC UPLINK 006 1A RF DATA 130 171 006, S/C REJECT 000 0. M&O HSP: (delta time of 1 second).
51	ALSEP MAP OVRD TEST	ASE	MAP OVRD on. Enter/Execute RTC 1B-103. VAL. VER.	M&O HSP: MCC UPLINK 103 1B RF DATA, 030 074 103 MAP VERIFY 000 0.

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
52	INVALID REQUESTS	ALSEP NETWORK	Depress ALCS A & B CVW HISTORY INHIBIT	
53		STATION	Set up for review of RTC 012.	M&O HSP: ALS RTC 012 REV REQ RTC 012/012
54		ASE	Enter RTC 5A-013.	2260/Console.
55		ASE STATION	Execute RTC 5A-013. VAL. SCR. Attempt to review RTC 012 at ASE's execute mark.	2260/Console. M&O HSP: MCC UPLINK 013 5A RF DATA 151 164 013 UPLINK IN PROG 012 S/C REJECT 000 0
56	G1 ALSEP DISABLED RTC TEST	ASE	Enter/Execute RTC 1A-113, RSDR INVAL (G1 disabled).	M&O HSP: HSD DSBL ALS RTC 113
57		STATION	Attempt to initiate G2 Enable (CAM 922).	M&O HSP: NOT IN M/O 922.
58	G2	ASE	Enter/Execute 1A-033, RSDP INVAL (G2 disabled).	M&O HSP: HSD DSBL ALS, RTC 033.

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
59		STATION	Attempt to UPLINK RTC 5B-015.	M&O HSP: NOT IN MODE 1 015.
60		STATION	Attempt to initiate G5 enable (CAM 955).	M&O HSP: NOT IN M/O 955.
61	G5	ASE	Enter/Execute RTC 5A-053. RSDP INVAL (G5 disabled)	M&O HSP: HSD DSBL LSP RTC 053
62		ASE	Enter/Execute RTC 1A-053 VAL. SCR	M&O HSP: MCC UPLINK 053 1A RF DATA 130 124 053 S/C REJECT 000 0.
63	G5	ASE	Enter/Execute RTC 5A-054 RSDP INVAL (G5 disabled).	M&O HSP: HSD DSBL LSP RTC 054
64		ASE	Enter/Execute RTC 1A-054 VAL. SCR.	M&O HSP: MCC UPLINK 054 1A RF DATA 130 124 054 S/C REJECT 000 0
65	G5	ASE	Enter/Execute RTC 5A-060 RSDP INVAL (G5 disabled)	M&O HSP: HSD DSBL LSP RTC 060
66	G6	ASE	Enter/Execute RTC 5A-156 RSDP INVAL (G6 disabled)	M&O HSP: HSD DSBL LSP RTC 156
67		ASE	Enter/Execute RTC 5A-113 VAL. SCR.	M&O HSP: MCC UPLINK 113 5A RF DATA 151 064 113 S/C REJECT 000 0
68		ASE	Enter/Execute RTC 5A-033 VAL. SCR.	M&O HSP: MCC UPLINK 033 5A RF DATA 151 144 033 S/C REJECT 000 0
69	G2	ASE	Enter/Execute RTC 1A-060 RSDP INVAL (G2 disabled)	M&O HSP: HSD DSBL ALS RTC 060

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
70		ASE	Enter/Execute RTC 1A-156 VAL. SCR	M&O HSP: MCC UPLINK 156 1A RF DATA 130 021 156 S/C REJECT 000 0
71		ASE	Enter/Execute 5A-062 RSDP INVAL (G5 disabled)	M&O HSP: HSD DSBL LSP RTC 062
72		STATION ALSEP NETWORK	Initiate Mode I REQ (CAM 979) then CAM ALSEP STATUS REQ.(CAM 988) AUTO STATUS CAP: SCN ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE I, OPERATE	M&O HSP: CMD Mode 1 10111 2260/Console.
73		STATION	Attempt to change Vehicle 3A decoder address from 116_8 to 111_8	1232 I/O; M&O DISABLE
74	G3	STATION	Request/CAM UPLINK 133-3A RSDP INVAL (G3 disabled)	M&O HSP: DSBL ALSEP RTC 133
75		STATION	Select MAP OVRD ON REQ (CAM 983)	M&O HSP: MAP OVERRIDE ON
76		STATION	Request/CAM UPLINK 110-3B VER	M&O HSP: CAM UPLINK 110 3B 0 RF DATA 144 067 110 MAP VERIFY 000 0
77		STATION	Select MAP OVRD OFF (CAM 984)	M&O HSP: MAP OVERRIDE OFF
78		STATION	Request/CAM UPLINK 110 3A SCR	M&O HSP: CAM UPLINK 110 3A RF DATA 062 067 110 S/C REJECT 000 0
79	G4	STATION	Request/CAM UPLINK 162-4A RSDP INVAL (G4 disabled)	M&O HSP: DSBL ALSEP RTC 162

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
80		STATION	Request/CAM UPLINK 162-5A SCR	M&O HSP: CAM UPLINK 162 5A RF DATA 151 015 162 S/C REJECT 000 0
81		STATION	INITIATE M/O Mode REQ CAM 978 AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, M/O MODE, MODE I, OPERATE	M&O HSP: CMD M/O MODE
82		STATION	INITIATE ALSEP RTC 011, clear	M/O HSP: ALS RTC 011 DSB. REQ ALS RTC DSBL 011/000
83	ALSEP GROUP ENABL-ING	STATION	Request ALSEP CRITICAL GROUPS 1-4 ENABLE: M/O HSP: a. RTC GRP 1 ENABLE REQ (CAM 911) RTC ENBL CRIT GRP 1 RTC/DATA CPE EVR GO 113/113 SWS CVR GO 122/122 b. RTC GPR 2 ENABLE REQ (CAM 922) RTC ENBL CRIT CRP 2 RTC/DATA TIMER OUT INHIB 033/033 PCU 1 SEL 060/060 PCU 2 SEL 062/062 c. RTC GRP 3 ENABLE REQ (CAM 933) RTC ENBL CRIT GRP 3 RTC/DATA SITE SURVEY XYZ 133/133 d. RTC GRP 4 ENABLE REQ (CAM 944) RTC ENBL CRIT GRP 4 RTC/DATA ASE SEQ/S FIRE 162/162 GRENADE 1 FIRE 163/163 GRENADE 2 FIRE 164/164 GRENADE 3 FIRE 165/165 GRENADE 4 FIRE 166/166 GRENADE ARM 170/170	
84		STATION	CAM ALSEP TTY Inventory (CAM 981)	M&O HSP: CAM ALS TTY INV REQ INV SUM IN PROGRESS
85	ALS/LSP CEF INVALID REQ.	ALSEP NETWORK	Enter/Execute CEF 1A-777 while RTC inventory is in progress RSDP INVAL	M&O HSP: HSD INV SUM IN PROG

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
86		ALSEP NETWORK	Enter/Execute CEF 5A-773 while RTC inventory is in progress RSDP INVAL	M&O HSP: HSD INV SUM IN PROG
87		STATION	CAM LSP TTY INVENTORY (CAM 982) while ALSEP inventory is in progress RSDP INVAL	M&O HSP: INV SUM IN PROG 981
88		STATION	INITIATE LSP RTC 015, clear	M&O HSP: LSP RTC 015 DSBL REQ LSP RTC DSBL 015/000
89		ALSEP NETWORK	Confirm ALSEP RTC inventory is completed and VALID. NOTE: G1 thru G4 enabled and RTC 011 disabled. Continue with TEST.	M&O HSP: INV SUM COMPLETED
90		STATION	INITIATE FC Mode (CAM 977) and Mode 2 (CAM 980) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE	M&O HSP: F/C MODE REQ CMD F/C MODE MODE 2 REQ CMD MODE 2 SCE STATUS 10111
91		STATION	Attempt to enable ALSEP RTC 011	M&O HSP: ALS RTC 015 ENBL REQ NOT IN M/O 011
92		STATION	Attempt to disable critical groups (CAM 900)	M&O HSP: CRIT RTC DSBL REQ NOT IN M/O 900
93		ASE	Enter/Execute RTC 1A-011 RSDP INVAL (RTC 011 disabled)	M&O HSP: HSD DSBL ALS RTC 011
94		ASE	Enter/Execute 5A-011 VAL. SCR.	M&O HSP: MCC UPLINK 011 5A RF DATA 151 166 011 S/C REJECT 000 0

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
95		ASE	Enter/Execute 5A-015 RSDP INVAL (LSP RTC 015 disabled)	M&O HSP: HSD DSBL LSP 015
96		ASE	Enter/Execute 1A-015 VAL. SCR.	M&O HSP: MCC UPLINK 015 1A RF DATA 130 162 015 S/C REJECT 000 0
97	G1	ASE	Enter/Execute 1A-113 VAL. SCR.	M&O HSP: MCC UPLINK 113 1A RF DATA 130 064 113 S/C REJECT 000 0
98	G1	ASE	Enter/Execute 1B-122 VAL. SCR	M&O HSP: MCC UPLINK 122 1B RF DATA 030 055 122 S/C REJECT 000 0
99	G2	ASE	Enter/Execute 1A-033 VAL. SCR.	M&O HSP: MCC UPLINK 033 1A RF DATA 130 144 033 S/C REJECT 000 0
100	G2	ASE	Enter/Execute 1B-060 VAL. SCR.	M&O HSP: MCC UPLINK 060 1B RF DATA 030 117 060 S/C REJECT 000 0
101	G5	ASE	Enter/Execute 5A-060 RSDP INVAL (G5 disabled)	M&O HSP: HSD DSBL LSP RTC 060
102	G2	ASE	Enter/Execute 1A-062 VAL. SCR.	M&O HSP: MCC UPLINK 062 1A RF DATA 130 115 062 S/C REJECT 000 0
103	G5	ASE	Enter/Execute 5A-062 RSDP INVAL (G5 disabled)	M&O HSP: HSD DSBL LSP RTC 062

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
104	G3	ASE	Enter/Execute 1B-133 VAL. SCR.	M&O HSP: MCC UPLINK 133 1B RF DATA 030 044 133 S/C REJECT 000 0
105	G4	ASE	Enter/Execute 1A-162 VAL. SCR.	M&O HSP: MCC UPLINK 162 1A RF DATA 130 015 162 S/C REJECT 000 0
106		STATION ALSEP NETWORK	INITIATE Mode 1 (CAM 979) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE I, OPERATE	M&O HSP: MODE 1 REQ CMD MODE 1 SCE STATUS 10111 2260/Console
107		STATION	Attempt to enable LSP RTC 015	M&O HSP: LSP RTC 015 ENBL REQ NOT IN M/O 015
108		STATION	Request/CAM UPLINK 015 5A	M&O HSP: LSP RTC 015 3A DSBL LSP RTC 015
109		STATION	Initiate M&O Mode (CAM 978) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, M/O MODE, MODE I, OPERATE.	M&O HSP: M/O MODE REQ CMD M/O MODE SCE STATUS: 10111
110	LSP GROUP ENABL-ING	STATION	Request LSP critical groups 5 and 6 enable: M&O HSP: a. RTC GPR 5 ENABLE REQ (CAM 955) RTC ENBL CRIT GRP 5 — RTC/DATA LSG STBY — 053/053 LSG OFF — 054/054 PCU 1 SEL — 060/060 PCU 2 SEL — 062/062 b. RTC GPR 6 ENABLE REQ (CAM 966) RTC ENBL CRIT GRP 6 — RTC/DATA LSP XMTR ON — 156/156	

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
111		STATION	Initiate FC Mode (CAM 977) and Mode 2 (CAM 980) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE	M&O HSP: F/C Mode REG CMD F/C MODE MODE 2 REQ CMD MODE 2 SCE STATUS: 10111
112		ALSEP NETWORK	Enter/Execute 5A-773 VAL.	M&O HSP: HSD LSP TTY INV REQ INV SUM IN PROGRESS
113		STATION	CAM IN 992	
114	G5	ASE	Enter/Execute 5A-053	M&O HSP: MCC UPLINK 053 5A RF DATA 151 124 053 S/C REJECT 000 0
115	G5	ASE	Enter/Execute 5A-054	M&O HSP MCC UPLINK 054 5A RF DATA 151 123 054 S/C REJECT 000 0
116	G5	ASE	Enter/Execute 5A-060	M&O HSP: MCC UPLINK 060 5A RF DATA 151 117 060 S/C REJECT 000 0
117	G5	ASE	Enter/Execute 5A-062	M&O HSP: MCC UPLINK 062 5A RF DATA 151 115 062 S/C REJECT 000 0
118	G6	ASE	Enter/Execute 5A-156	M&O HSP: MCC UPLINK 156 5A RF DATA 151 021 156 S/C REJECT 000 0
119		STATION	CAM IN 991	

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
120		STATION	Initiate M&O Mode (CAM 978) and Mode 1 (CAM 979) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMM, IDLE OUTPUT, M/O MODE, MODE I, OPERATE	M&O HSP: M/O MODE REQ CMD M/O MODE MODE 1 REQ CMD MODE 1 SCE STATUS: 10111
121		STATION	Initiate critical groups disable (CAM 900) RTC DSBL CRIT ALL RTC/DATA ALSEP TIMER OUT IN HIB 033/000 PCU 1 SEL 060/000 PCU 2 SEL 062/000 CPE CVR GO 113/000 SWS CVR GO 122/000 SITE SURVEY XYZ 133/000 ASE SEQ/S FIRE 162/000 GRENADE 1 FIRE 163/000 GRENADE 2 FIRE 164/000 GRENADE 3 FIRE 165/000 GRENADE 4 FIRE 166/000 GRENADE ARM 170/000 LSP LSG STBY 053/000 LSG OFF 054/000 PCU 1 SEL 060/000 PCU 2 SEL 062/000 LSP XMTR ON 156/000	M&O HSP: CRIT RTC DSBL REQ
122		STATION	ENABLE ALSEP RTC 011	M&O HSP: ALS RTC 011 ENBL REQ ALS RTC ENBL 011/011
123		STATION	ENABLE LSP RTC 015	M&O HSP: LSP RTC 015 ENBL REQ LSP RTC ENBL 015/015
124		STATION	INITIATE FC Mode (CAM 977) and Mode 2 (CAM 980) AUTO STATUS CAP: SCE ON-LINE, CMD READY, DUMMY, IDLE OUTPUT, F/C MODE, MODE 2, OPERATE	M&O HSP: F/C MODE REQ CMD F/C MODE MODE 2 REQ CMD MODE 2 SCE STATUS 10111

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
125	ALSEP RTC INV ABORT TEST	ALSEP NETWORK	Enter/Execute RTC Inventory (CEF 1B-777). VAL.	M&O HSP: HSD ALS TTY INV REQ INV SUM IN PROGRESS.
126		STATION	Attempt to initiate TTY RTC Inventory (CAM 981) while RTC Inventory output is in progress.	M&O HSP: CAM ALS TTY INV REQ INV SUM IN PROGRESS 981.
127		ALSEP NETWORK	Enter/Execute CEF 1B-777 and 5A773 while RTC Inventory output is in progress. RSDP INVAL.	M&O HSP: HSD INV SUM IN PROGRESS.
128		ALSEP NETWORK	After RTC 011 can be verified on the inventory, request STATION to abort RTC Inventory.	TTY printout.
129		STATION	Abort RTC Inventory. (CAM 971)	M&O HSP: TTY INV ABORT REQ TTY INV ABORTED.
130		ALSEP NETWORK	Enter/Execute CEF 5A- 773. VAL.	M&O HSP: HSD LSP TTY INV REQ INV SUM IN PROGRESS
131		ASE	Enter/Execute RTC 1B-011 SCR. VAL.	M&O HSP: MCC UPLINK 011 1B RF DATA, 030 166 011, S/C REJ 000 0.
132	G1 ALSEP DISABLED RTC TEST	ASE	Enter/Execute RTC 1B-122. RSDP INVAL.	M&O HSP: HSD DISABLED ALS RTC 122.
133		ASE	Enter/Execute RTC 5A-015 VAL. SCR.	M&O HSP: MCC UPLINK 015 5A RF DATA 151 162 015 S/C REJECT 000 0.

Table 1. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
134	G5	ASE	Enter/Execute RTC 5A-060. RSDP INVAL.	M&O HSP: HSD DISABLED LSP RTC 060.
135	G3	ASE	Enter/Execute RTC 1B-133. RSDP INVAL.	M&O HSP: HSD DISABLED ALS RTC 133.
136	G4	ASE	Enter/Execute RTC 1A-170. RSDP INVAL.	M&O HSP: HSD DISABLED ALS RTC 170.
137		STATION ALSEP NETWORK	ABORT RTC INVENTORY (CAM 971) Verify LSP RTC 015 is enabled on inventory.	M&O HSP: TTY INV ABORT REQ TTY INV ABORTED.
138		STATION	Request log dump (CAM 995) and CAM EOF (CAM 996)	M&O HSP: LOG TAPE DUMP REQ LOG TAPE DUMP CMD H EOF REQ CMD H EOF.
139		STATION	Select Format 1 3A-4B	M&O HSP: TELEMETRY FORMAT 1 SELECT 3A-4B
140		ALSEP NETWORK	INIT 3A-4B	
141		ASE	Enter/Execute 3A-174 VAL. SCR.	M&O HSP: MCC UPLINK 174 3A RF DATA 062 003 174 S/C REJECT 000 0.
142		STATION	Initiate CMD EOF (CAM 996)	M&O HSP: CMD H EOF REQ CMD H EOF
143		STATION	Initiate Log Tape Dump (CAM 995)	M&O HSP: LOG TAPE DUMP REQ LOG TAPE DUMP
144		STATION	Request ALSEP ROACH starting one minute before the 3A-174 execute.	

Table 2. VAL Test 2051.2 ALSEP Nominal Uplink Processing

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
1		STATION	a. ALSEP MWP set to 2000 Msec. b. RSDP - Format 1, 3A, 4B. c. All ALSEP critical RTC's enable: (1) Group one (911) (2) Group two (922) (3) Group three (933) (4) Group four (944) (5) Group five (955) (6) Group six (966)	
2		ALSEP NETWORK	Verify data lines configured.	
3		ALSEP NETWORK	ALCS initialized for ALSEP - 3 Slot A and ALSEP 4 slot B.	
4		STATION	Switch to format 2 and put data on line. Execute EOF (996)	M&O HSP: CMD H EOF REQ CMD H EOF.
5		ALSEP NETWORK	Take ALCS Histories A and B.	
6		ALSEP NETWORK	Select, ASE Start 4.	
7		ALSEP NETWORK STATION	Bring ALSEP carrier up radiating into the dummy load and arm command system.	
8		ALSEP NETWORK	Confirm: a. ALCS Mode b. Station Selected	
9		ASE	Confirm: a. FC Mode b. Enable Mode c. MAP OVRD Off.	
10		ALSEP NETWORK	Enter/Execute 4A 777 ALSEP 1-4 RTC Inventory. VAL. NOTE: Continue with test while inventory prints out. Verify critical groups are enabled.	

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
11		ALSEP NETWORK	Enter/Execute 4A 776 ALSEP Site Status Request. VAL. Status CAP: SITE 1, 2, 3, 4, 5, 6 M2, OPR, SNGO, AGO, RFOK, ATST, SOF, AON. NOTE: The RSDP command buffer will write on the history tape after about 13 executes. This should be noted by the Station each time the computer outputs to the tape. Also status indications are for carrier UP in dummy LOAD. If SCE back-to-back is used, the status will be wrong.	2260/Console
12	A4 UPLINKS	ASE	Enter/Execute 4A003 (ASE HBR On). VAL. SCR.	M&O HSP: MCC UPLINK 003 4A RF DATA: 025 174 003. S/C REF 000 0.
13		ASE	Enter/Execute 4A 005 (ASE HBR Off). VAL. SCR.	M&O HSP: RF DATA 025 172 005. S/C REJ 000 0.
14		ASE	Enter/Execute 4A006 (NORM Bit RT SEL). VAL. SCR.	M&O HSP: RF DATA 025 171 006. S/C REJ 000 0.
15		ASE	Enter/Execute 4A007 (LOW Bit RT SEL). VAL. SCR.	M&O HSP: RF DATA 025 170 007. S/C REJ 000 0.
16		ASE	Enter/Execute 4A011 (NORM Bit RT RST). VAL. SCR.	M&O HSP: RF DATA 025 166 011 S/C REJ 000 0.
17		ASE	Enter/Execute 4A 012 (XMTR A SEL). VAL. SCR.	M&O HSP: RF DATA 025 165 012. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
18		ASE	Enter/Execute 4A 013 (XMTR On). VAL. SCR.	M&O HSP: RF DATA 025 164 013. S/C REJ 000 0.
19		ASE	Enter/Execute 4A 014 (XMTR Off). VAL. SCR.	M&O HSP: RF DATA 025 163 014. S/C REJ 000 0.
20		ASE	Enter/Execute 4A 015 (XMTR B SEL). VAL. SCR.	M&O HSP: RF DATA 025 162 015. S/C REJ 000 0.
21		ASE	Enter/Execute 4A 104 (SIDE Load 1). VAL. SCR.	M&O HSP: RF DATA 025 073 104. S/C REJ 000 0.
22		ASE	Enter/Execute 4A 105 (SIDE Load 2). VAL. SCR.	M&O HSP: RF DATA 025 072 105. S/C REJ 000 0.
23		ASE	Enter/Execute 4A 111 (CPE OPR On). VAL. SCR.	M&O HSP: RF DATA 025 066 111. S/C REJ 000 0.
24		ASE	Enter/Execute 4A 112 (CPE OPR HTR Off). VAL. SCR.	M&O HSP: RF DATA 025 065 112. S/C REJ 000 0.
25	G1	ASE	Enter/Execute 4B 113 (CPE CVR GO). VAL. SCR.	M&O HSP: RF DATA 065 064 113. S/C REJ 000 0.
26		ASE	Enter/Execute 4B 150 (Timer Reset) VAL. SCR.	M&O HSP: RF DATA 065 027 150. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
27		ASE	Enter/Execute 4B 153 (Spare 3) VAL. SCR.	M&O HSP: RF DATA 065 024 153 S/C REJ 000 0.
28		ASE	Enter/Execute 4B 154 (Spare 3). VAL. SCR.	M&O HSP: RF DATA 065 023 154. S/C REJ 000 0.
29		ASE ALSEP NETWORK	Enter/Execute 4B 156 (GEO CAL Go). VAL. SCR. Confirm: ALCS ALSEP B auto history printout.	M&O HSP: RF DATA 065 021 156. S/C REJ 000 0.
30	G4	ASE	Enter/Execute 4B 162 (ASE SEQ/W Fire). VAL. SCR.	M&O HSP: RF DATA 065 015 162 S/C REJ 000 0.
31	G4	ASE	Enter/Execute 4B 163 (Grenade 1 Fire). VAL. SCR.	M&O HSP: RF DATA 065 014 163. S/C REJ 000 0.
32	G4	ASE	Enter/Execute 4B 164 (Grenade 2 Fire). VAL. SCR.	M&O HSP: RF DATA 065 013 164. S/C REJ 000 0.
33	G4	ASE	Enter/Execute 4B 165 (Grenade 3 Fire). VAL. SCR.	M&O HPS: RF DATA 065 012 165. S/C REJ 000 0.
34	G4	ASE	Enter/Execute 4B 166 (Grenade 4 Fire). VAL. SCR.	M&O HSP: RF DATA 065 011 166. S/C REJ 000 0.
35	G4	ASE	Enter/Execute 4B 170 (Grenade Arm). VAL. SCR.	M&O HSP: RF DATA 065 007 170. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
28		ASE	Enter/Execute 4B 154 (Spare 3). VAL. SCR.	M&O HSP: RF DATA 065 023 154. S/C REJ 000 0.
29		ASE ALSEP NETWORK	Enter/Execute 4B 156 (GEO CAL Go). VAL. SCR. Confirm: ALCS ALSEP B auto history printout.	M&O HSP: RF DATA 065 021 156. S/C REJ 000 0.
30	G4	ASE	Enter/Execute 4B 162 (ASE SEQ/W Fire). VAL. SCR.	M&O HSP: RF DATA 065 015 162. S/C REJ 000 0.
31	G4	ASE	Enter/Execute 4B 163 (Grenade 1 Fire). VAL. SCR.	M&O HSP: RF DATA 065 014 163. S/C REJ 000 0.
32	G4	ASE	Enter/Execute 4B 164 (Grenade 2 Fire). VAL. SCR.	M&O HSP: RF DATA 065 013 164. S/C REJ 000 0.
33	G4	ASE	Enter/Execute 4B 165 (Grenade 3 Fire). VAL. SCR.	M&O HPS: RF DATA 065 012 165. S/C REJ 000 0.
34	G4	ASE	Enter/Execute 4B 166 (Grenade 4 Fire). VAL. SCR.	M&O HSP: RF DATA 065 011 166. S/C REJ 000 0.
35	G4	ASE	Enter/Execute 4B 170 (Grenade Arm). VAL. SCR.	M&O HSP: RF DATA 065 007 170. S/C REJ 000 0.
36		STATION	Select format 1-3A and 4B.	M&O HSP: FMT 1 Select 3A, 4B

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
37		ALSEP NETWORK	Enter ASE Stop 4.	
38	A3 UPLINKS	ASE	Enter/Execute 3A 017 (DISSIP RI On). VAL. SCR.	M&O HSP: RF DATA 062 160 017. S/C REJ 000 0.
39		ASE	Enter/Execute 3A 021 (DISSIP RI Off). VAL. SCR.	M&O HSP: RF DATA 062 156 021. S/C REJ 000 0.
40		ASE	Enter/Execute 3A 022 (DISSIP R2 On). VAL. SCR.	M&O HSP: RF DATA 062 155 022. S/C REJ 000 0.
41		ASE	Enter/Execute 3A 023 (DISSIP R2 Off). VAL. SCR.	M&O HSP: RF DATA 062 154 023. S/C REJ 000 0.
42		ASE	Enter/Execute 3A 024 (DSS HTR 3 On). VAL. SCR.	M&O HSP: RF DATA 062 153 024. S/C REJ 000 0.
43		ASE	Enter/Execute 3A 025 (DSS HTR 3 Off). VAL. SCR.	M&O HSP: RF DATA 062 152 025. S/C REJ 000 0.
44		ASE	Enter/Execute 3A 027 (Dust Cells On). VAL. SCR.	M&O HSP: RF DATA 062 150 027 S/C REJ 000 0.
45		ASE	Enter/Execute 3A 031 (Dust Cells Off). VAL. SCR.	M&O HSP: RF DATA 062 146 031. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
46		ASE	Enter/Execute 3A 032 (Timer Out ACC PT). VAL. SCR.	M&O HSP: RF DATA 062 145 032. S/C REJ 000 0.
47	G2	ASE	Enter/Execute 3A 033 (Timer Out INHIB). VAL. SCR.	M&O HSP: RF DATA 062 144 033. S/C REJ 000 0.
48		ASE	Enter/Execute 3A 034 (DSS/PROC X SEL). VAL. SCR.	M&O HSP: RF DATA 062 143 034. S/C REJ 000 0.
49		ASE	Enter/Execute 3A 035 (DSS/PROC Y SEL). VAL. SCR.	M&O HSP: RF DATA 062 142 035. S/C REJ 000 0.
50		ASE	Enter/Execute 3A 036 (EXP 1 OPER SEL) VAL. SCR.	M&O HSP: RF DATA 062 141 036. S/C REJECT 000 0.
51		ASE	Enter/Execute 3B 037 (EXP 1 STBY SEL). VAL. SCR.	M&O HSP: RF DATA 144 140 037. S/C REJ 000 0.
52		ASE	Enter/Execute 3B 041 (EXP 1 STBY Off). VAL. SCR.	M&O HSP: RF DATA 144 136 041. S/C REJ 000 0.
53		ASE	Enter/Execute 3B 115 (CPE DEF Step) VAL. SCR.	M&O HSP: RF DATA 144 062 115. S/C REJ 000 0.
54		ASE	Enter/Execute 3B 117 (CPE DEF SEQ Off). VAL. SCR.	M&O HSP: RF DATA 144 060 117. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
55		ASE	Enter/Execute 3B 120 (CPE CHAN/HI SEL). VAL. SCR.	M&O HSP: RF DATA 144 057 120. S/C REJ 000 0
56		ASE	Enter/Execute 3B 121 (CPE CHAN/LO SEL). VAL. SCR.	M&O HSP: RF DATA 144 056 121. S/C REJ 000 0.
57		ASE ALSEP NETWORK	Enter/Execute 3B 135 (HFE Mode/G SEL) VAL. SCR. Confirm ALCS ALSEP A Auto History Printout	M&O HSP: RF DATA 144 042 135. S/C REJ 000 0.
58		ASE	Enter/Execute 3B 136 (HFE Mode/LK SEL). VAL. SCR.	M&O HSP: RF DATA 144 041 136. S/C REJ 000 0.
59		ASE	Enter/Execute 3B 140 (HFE Mode/HK SEL). VAL. SCR.	M&O HSP: RF DATA 144 037 140. S/C REJ 000 0.
60		ASE	Enter/Execute 3B 141 (HFE SEQ/FUL SEL). VAL. SCR.	M&O HSP: RF DATA 144 036 141. S/C REJ 000 0.
61		ASE	Enter/Execute 3B 142 (HFE SEQ/PI SEL). VAL. SCR.	M&O HSP: RF DATA 144 035 142. S/C REJ 000 0.
62		ASE	Enter/Execute 3B 155 (Spare 4). VAL. SCR.	M&O HSP: RF DATA 144 022 155. S/C REJ 000 0.
63		STATION	Select Format 1, 2A-1B	

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
64		ALSEP NETWORK	Select Format 2A-1B	
65	A2 UPLINKS	ASE	Enter/Execute 2A 042 (EXP 2 OPER SEL). VAL. SCR.	M&O HSP: RF DATA 116 135 042. S/C REJ 000 0.
66		ASE	Enter/Execute 2A 043 (EXP 2 STBY SEL) VAL. SCR.	M&O HSP: RF DATA 116 134 043. S/C REJ 000 0.
67		ASE	Enter/Execute 2A 044 (EXP 2 STBY Off). VAL. SCR.	M&O HSP: RF DATA 116 133 044. S/C REJ 00 0.
68		ASE	Enter/Execute 2A 045 (EXP 3 OPER SEL) VAL. SCR.	M&O HSP: RF DATA 116 132 045. S/C REJ 000 0.
69		ASE	Enter/Execute 2A 046 (EXP 3 STBY SEL). VAL. SCR.	M&O HSP: RF DATA 116 131 046. S/C REJ 000 0.
70		ASE	Enter/Execute 2A 050 (EXP 3 STBY OFF). VAL. SCR.	M&O HSP: RF DATA 116 127 050. S/C REJ 000 0.
71		ASE	Enter/Execute 2A 052 (EXP 4 OPER SEL). VAL. SCR.	M&O HSP: RF DATA 116 125 052. S/C REJ 000 0.
72		ASE	Enter/Execute 2A 053 (EXP 4 STBY SEL). VAL. SCR.	M&O HSP: RF DATA 116 124 053. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
73		ASE	Enter/Execute 2A 054 (EXP 4 STBY Off). VAL. SCR.	M&O HSP: RF DATA 116 123 054. S/C REJ 000 0.
74		ASE	Enter/Execute 2A 055 (DSS HTR 1 SEL). VAL. SCR.	M&O HSP: RF DATA 116 122 055. S/C REJ 000 0.
75		ASE	Enter/Execute 2A 056 (DSS HTR 2 SEL). VAL. SCR.	M&O HSP: RF DATA 116 121 056. S/C REJ 000 0.
76		ASE	Enter/Execute 2A 057 (DSS HTR 2 Off). VAL. SCR.	M&O HSP: RF DATA 116 120 057. S/C REJ 000 0
77	G2	ASE	Enter/Execute 2A 060 (PCU 1 SEL). VAL. SCR.	M&O HSP: RF DATA 116 117 060. S/C REJ 000 0.
78	G2	ASE	Enter/Execute 2B 062 (PCU 2 SEL). VAL. SCR.	M&O HSP: RF DATA 016 115 062 S/C REJ 000 0.
79		ASE ALSEP NETWORK	Enter/Execute 2B 063 (PSE/XY Gain CH). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 016 114 063. S/C REJ 000 0.
80		ASE	Enter/Execute 2B 064 (PSE/Z Gain CH). VAL. SCR.	M&O HSP: RF DATA 016 113 064. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
81		ASE	Enter/Execute 2B 065 (PSE/SP CAL CH). VAL. SCR.	M&O HSP: RF DATA 016 112 065. S/C REJ 000 0.
82		ASE	Enter/Execute 2B 143 (HFE SEC/P2 SEL). VAL. VER.	M&O HSP: RF DATA 016 034 143 S/C REJECT 000 0.
83		ASE	Enter/Execute 2B 144 (HFE Load 1). VAL. SCR.	M&O HSP: RF DATA 016 033 144. S/C REJ 000 0.
84		ASE	Enter/Execute 2B 145 (HFE Load 2). VAL. SCR.	M&O HSP: RF DATA 016 032 145. S/C REJ 000 0.
85		ASE	Enter/Execute 2B 146 (HFE Load 3). VAL. SCR.	M&O HSP: RF DATA 016 031 146. S/C REJ 000 0.
86		ASE	Enter/Execute 2B 152 (HFE HTR Steps). VAL. SCR.	M&O HSP: RF DATA 016 025 152. S/C REJ 000 0.
87		ASE	Enter/Execute 2B 160 (Spare 6). VAL. SCR.	M&O HSPF: RF DATA 016 017 160 S/C REJ 000 0.
88		ASE	Enter/Execute 2B 171 (Spare 6). VAL. SCR.	M&O HSP: RF DATA 016 006 171. S/C REJ 000 0.
89		ASE	Enter/Execute 2B 172 (Spare 7). VAL. SCR.	M&O HSP: RF DATA 016 005 172. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
90		ALSEP NETWORK	Select ALSEP 5A-1B for processing.	
91		STATION	Select format 1-5A, 1B	
92		ALSEP NETWORK	Enter/Execute CEF 5A 773 LSP RTC INVENTORY VAL NOTE: Continue with test while inventory prints out. Verify if critical groups are enabled.	
93	A1 UPLINKS	ASE	Enter/Execute 1A 066 (PSE/LP CAL CH) VAL. SCR.	M&O HSP: RF DATA 130 111 066. S/C REJ 000 0.
94		ASE	Enter/Execute 1A 067 (PSE/SP Gain CH). VAL. SCR.	M&O HSP: RF DATA 130 110 067. S/C REJ 000 0.
95		ASE	Enter/Execute 1A 070 (LVL MTRX On/Off). VAL. SCR.	M&O HSP: RF DATA 130 107 070. S/C REJ 000 0.
96		ASE	Enter/Execute 1A 071 (LVL MTRY On/Off). VAL. SCR.	M&O HSP: RF DATA 130 106 071. S/C REJ 000 0.
97		ASE	Enter/Execute 1A 072 (LVL MTRZ On/Off). VAL. SCR.	M&O HSP: RF DATA 130 105 072. S/C REJ 000 0.
98		ASE	Enter/Execute 1A 073 (Uncage Arm/Fire). VAL. SCR.	M&O HSP: RF DATA 130 104 073. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
99		ASE	Enter/Execute 1A 074 (LVL DIR POS/NEG) VAL. SCR.	M&O HSP: RF DATA 130 103 074. S/C REJ 000 0.
100		ASE	Enter/Execute 1A 075 (LVL SPEED Hi/LO). VAL. SCR.	M&O HSP: RF DATA 130 102 075. S/C REJ 000 0
101		ASE	Enter/Execute 1A 076 (PSE T CTL CH). VAL. SCR.	M&O HSP: RF DATA 130 101 076. S/C REJ 000 0.
102		ASE	Enter/Execute 1A 101 (PSE FILT In/Out VAL. SCR.	M&O HSP: RF DATA 130 076 101. S/C REJ 000 0.
103		ASE	Enter/Execute 1A 102 (LVL SNSR In/Out). VAL. SCR.	M&O HSP: RF DATA 130 075 102. S/C REJ 000 0.
104		ASE	Enter/Execute 1A 103 (PSE LVL MDE A/M). VAL. SCR.	M&O HSP: RF DATA 130 074 103. S/C REJ 000 0.
105		ASE	Enter/Execute 1A 106 (SIDE Load 3). VAL. SCR.	M&O HSP: RF DATA 130 071 106. S/C REJ 000 0.
106		ASE ALSEP NETWORK	Enter/Execute 1B 107 (Side Load 4). VAL. SCR. Confirm ALCS ALSEP B auto history printout.	M&O HSP: RF DATA 030 070 107. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
107		ASE	Enter/Execute 1B 110 (Side Execute). VAL. SCR.	M&O HSP: RF DATA 030 067 110. S/C RJ 000 0.
108	G1	ASE	Enter/Execute 1B 122 (SWS CVR GO). VAL. SCR.	M&O HSP: RF DATA 030 055 122. S/C REJ 000 0.
109		ASE	Enter/Execute 1B 123 (LSM Range Steps). VAL. SCR.	M&O HSP: RF DATA 030 054 123. S/C REJ 000 0.
110		ASE	Enter/Execute 1B 124 (LSM FLD O/S CH) VAL. SCR.	M&O HSP: RF DATA 030 053 124. S/C REJ 000 0.
111		ASE	Enter/Execute 1B 125 (LSM O/S ADD CH). VAL. SCR.	M&O HSP: RF DATA 030 052 125. S/C REJ 000 0.
112		ASE	Enter/Execute 1B 127 (Flip/CAL INHIB). VAL. SCR.	M&O HSP: RF DATA 030 050 127. S/C REJ 000 0.
113		ASE	Enter/Execute 1B 131 (Flip/CAL Go). VAL. SCR.	M&O HSP: RF DATA 030 046 131. S/C REJ 000 0.
114		ASE	Enter/Execute 1B 132 (LSM Filt In/Out) VAL. SCR.	M&O HSP: RF DATA 030 045 132. S/C REJ 000 0.
115	G3	ASE	Enter/Execute 1B 133 (Site Survey XYZ). VAL. SCR.	M&O HSP: RF DATA 030 044 133. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
116		ASE	Enter/Execute 1B 134 (LSM T CTL XYO). VAL. SCR.	M&O HSP: RF DATA 030 043 134. S/C REJ 000 0.
117		ASE	Enter/Execute 1B 174 (Spare 8) VAL. SCR.	M&O HSP: RF DATA 030 003 174. S/C REJ 000 0.
118		ASE	Enter/Execute 5A-003 (LSP FMT On). VAL. SCR.	M&O HSP: RF DATA 151 174 003 S/C REJ 000 0.
119		ASE	Enter/Execute 5A-005 (DP FMT On). VAL. SCR.	M&O HSP: RF DATA 151 172 005 S/C REJ 000 0.
120		ASE	Enter/Execute 5A-006 (NBR). VAL. SCR.	M&O HSP: RF DATA 151 171 006 S/C REJ 000 0.
121		ASE	Enter/Execute 5A-007 (LBR). VAL. SCR.	M&O HSP: RF DATA 151 170 007 S/C REJ 000 0
122		ASE	Enter/Execute 5A-011 (Spre 11). VAL. SCR.	M&O HSP: RF DATA 151 166 011 S/C REJ 000 0.
123		ASE	Enter/Execute 5A-012 (XMTR A On). VAL. SCR.	M&O HSP: RF DATA 151 165 012 S/C REJ 000 0.
124		ASE	Enter/Execute 5A-013 (XMTR A Off). VAL. SCR.	M&O HSP: RF DATA 151 164 013 S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
125		ASE	Enter/Execute 5A-014 (XMTR A Off). VAL. SCR.	M&O HSP: RF DATA 151 163 014 S/C REJ 000 0.
126		ASE	Enter/Execute 5A-015 (XMTR B On). VAL. SCR.	M&O HSP: RF DATA 151 162 015 S/C REJ 000 0.
127		ASE ALSEP NETWORK	Enter/Execute 5A-017 (PRD 1 On). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 151 160 017 S/C REJ 000 0.
128		ASE	Enter/Execute 5A-021 (PDR 1 Off). VAL. SCR.	M&O HSP: RF DATA 151 156 021 S/C REJ 000 0.
129		ASE	Enter/Execute 5A-022 (PDR 2 On). VAL. SCR.	M&O HSP: RF DATA 151 155 022 S/C REJ 000 0.
130		ASE	Enter/Execute 5A-023 (PDR 2 Off). VAL. SCR.	M&O HSP: RF DATA 151 154 023 S/C REJ 000 0.
131		ASE	Enter/Execute 5A-024 (ADP X SEL). VAL. SCR.	M&O HSP: RF DATA 151 153 024 S/C REJ 000 0.
132		ASE	Enter/Execute 5A-025 (ADP Y SEL). VAL. SCR.	M&O HSP: RF DATA 151 152 025 S/C REJ 000 0.
133		ASE	Enter/Execute 5A-027 (SPM 1 On). VAL. SCR.	M&O HSP: RF DATA 151 150 027 S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
134		ASE	Enter/Execute 5A-031 (APM 1 Off). VAL. SCR.	M&O HSP: RF DATA 151 146 031. S/C REJ 000 0.
135		ASE	Enter/Execute 5A-032 (RIPPLE-Off RST). VAL. SCR.	M&O HSP: RF DATA 151 145 032. S/C REJ 000 0.
136		ASE	Enter/Execute 5A-033 (Spare 33). VAL. SCR.	M&O HSP: RF DATA 151 144 033. S/C REJ 000 0.
137		ASE	Enter/Execute 5A-034 (DDP X SEL). VAL. SCR.	M&O HSP: RF DATA 151 143 034. S/C REJ 000 0.
138		ASE	Enter/Execute 5A-035 (DDP Y SEL). VAL. SCR.	M&O HSP: RF DATA 151 142 035. S/C REJ 000 0.
138		ASE	Enter/Execute 5A-035 (DDP Y SEL). VAL. SCR.	M&O HSP: RF DATA 151 142 035. S/C REJ 000 0.
139		ASE	Enter/Execute 5A/036 (LMS On). VAL. SCR.	M&O HSP: RF DATA 151 141 036. S/C REJ 000 0.
140		ASE	Enter/Execute 5A-037 (LMS STBY). VAL. SCR.	M&O HSP: RF DATA 151 140 037. S/C REJ 000 0.
141		ASE	Enter/Execute 5A-041 (LMS Off). VAL. SCR.	M&O HSP: RF DATA 151 136 041 S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
142		ASE	Enter/Execute 5A-042 (LEAM On). VAL. SCR.	M&O HSP: RF DATA 151 135 042. S/C REJ 000 0.
143		ASE	Enter/Execute 5A-043 (LEAM STBY). VAL. SCR.	M&O HSP: RF DATA 151 134 043 S/C REJ 000 0.
144		ASE	Enter/Execute 5A-044 (LEAM Off). VAL. SCR.	M&O HSP: RF DATA 151 133 044 S/C REJ 000 0.
145		ASE	Enter/Execute 5A-045 (HFE On). VAL. SCR.	M&O HSP: RF DATA 151 132 045. S/C REJ 000 0.
146		ASE	Enter/Execute 5A-046 (HFE STBY). VAL. SCR.	M&O HSP: RF DATA 151 131 046. S/C REJ 000 0.
147		ASE ALSEP NETWORK	Enter/Execute 5A-050 (HFE Off). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 151 127 050. S/C REJ 000 0.
148		ASE	Enter/Execute 5A-052 (LSG On). VAL. SCR.	M&O HSP: RF DATA 151 125 052. S/C REJ 000 0.
149	G5	ASE	Enter/Execute 5A-053 (LSG STBY). VAL. SCR.	M&O HSP: RF DATA 151 124 053. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
150	G5	ASE	Enter/Execute 5A-054 (LSG Off). VAL. SCR.	M&O HSP: RF DATA 151 123 054. S/C REJ 000 0.
151		ASE	Enter/Execute 5A-055 (LSP On). VAL. SCR.	M&O HSP: RF DATA 151 122 055. S/C REJ 000 0.
152		ASE	Enter/Execute 5A-056 (LSP STBY). VAL. SCR.	M&O HSP: RF DATA 151 121 056. S/C REJ 000 0.
153		ASE	Enter/Execute 5A-057 (LST Off) VAL. SCR.	M&O HSP: RF DATA 151 120 057. S/C REJ 000 0.
154	G5	ASE	Enter/Execute 5A-060 (PCU 1 SEL). VAL. SCR.	M&O HSP: RF DATA 151 117 060. S/C REJ 000 0.
155	G5	ASE	Enter/Execute 5A-062 (PCU 2 SEL). VAL. SCR.	M&O HSP: RF DATA 151 115 062. S/C REJ 000 0.
156		ASE	Enter/Execute 5A-063 (LSG HTR On). VAL. SCR.	M&O HSP: RF DATA 151 114 063. S/C REJ 000 0.
157		ASE	Enter/Execute 5A -064 (LSG HTR Off). VAL. SCR.	M&O HSP: RF DATA 151 113 064. S/C REJ 000 0.
158		ASE	Enter/Execute 5A-065 (Spare 65) VAL. SCR.	M&O HSP: RF DATA 151 112 065. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
159		ASE	Enter/Execute 5A-066 (Spare 66) VAL. SCR.	M&O HSP: RF DATA 151 111 066. S/C REJ 000 0.
160		ASE	Enter/Execute 5A-067 (LSG CMD EX.) VAL. SCR.	M&O HSP: RF DATA 151 110 067. S/C REJ 000 0.
161		ASE	Enter/Execute 5A-070 (LSG Decoder On). VAL. SCR.	M&O HSP: RF DATA 151 107 070. S/C REJ 000 0.
162		ASE	Enter/Execute 5A-071 (LSG Decoder Off). VAL. SCR.	M&O HSP: RF DATA 151 106 071. S/C REJ 000 0.
163		ASE	Enter/Execute 5A-072 (LSG Step Up). VAL. SCR.	M&O HSP: RF DATA 151 105 072. S/C REJ 000 0.
164		ASE	Enter/Execute 5A-073 (Spare 73). VAL. SCR.	M&O HSP: RF DATA 151 104 073 S/C REJ 000 0.
165		ASE	Enter/Execute 5A-074 (LSG Step On). VAL. SCR.	M&O HSP: RF DATA 151 103 074. S/C REJ 000 0.
166		ASE	Enter/Execute 5A-075 (Spare 75) VAL. SCR.	M&O HSP: RF DATA 151 102 075. S/C REJ 000 0.
167		ASE ALSEP NETWORK	Enter/Execute 5A-076 (Spare 76). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 151 101 076. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
168		ASE	Enter/Execute 5A-101 (Spare 101). VAL. SCR.	M&O HSP: RF DATA 151 076 101. S/C REJ 000 0.
169		ASE	Enter/Execute 5A-102 (Spare 102). VAL. SCR.	M&O HSP: RF DATA 151 075 102. S/C REJ 000 0.
170		ASE	Enter/Execute 5A-103 (Spare 103). VAL. SCR.	M&O HSP: RF DATA 151 074 103. S/C REJ 000 0.
171		ASE	Enter/Execute 5A-104 (PER CMDS EN). VAL. SCR.	M&O HSP: RF DATA 151 073 104. S/C REJ 000).
172		ASE	Enter/Execute 5A-105 (PERCMD INH). VAL. SCR.	M&O HSP: RF DATA 151 072 105. S/C REJ 000 0.
173		ASE	Enter/Execute 5A-106 (Spare 106) VAL. SCR.	M&O HSP: RF DATA 151 071 106. S/C REJ 000 0.
174		ASE	Enter/Execute 5A-107 (ADP BKUP). VAL. SCR.	M&O HSP: RF DATA 151 070 107. S/C REJ 000 0.
175		ASE	Enter/Execute 5A-110 (ADP PRI). VAL. SCR.	M&O HSP: RF DATA 151 067 110. S/C REJ 000 0.
176		ASE	Enter/Execute 5A-111 (LEAM CAL). VAL. SCR.	M&O HSP: RF DATA 151 056 111. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
177		ASE	Enter/Execute 5A-112 (LEAM MIR CVR). VAL. SCR.	M&O HSP: RF DATA 151 065 112. S/C REJ 000 0.
178		ASE	Enter/Execute 5A-113 (APM 2 Off). VAL. SCR.	M&O HSP: RF DATA 151 064 113. S/C REJ 000 0.
179		ASE	Enter/Execute 5A-114 (LEAM SEN CVR). VAL. SCR.	M&O HSP: RF DATA 151 063 114. S/C REJ 000 0.
180		ASE	Enter/Execute 5A-115 (APM 2 On). VAL. SCR.	M&O HSP: RF DATA 151 062 115. S/C REJ 000 0.
181		ASE	Enter/Execute 5A-117 (LEAM HTR Step). VAL. SCR.	M&O HSP: RF DATA 151 060 117. S/C REJ 000 0.
182		ASE	Enter/Execute 5A-120 (PCU 1 auto SW). VAL. SCR.	M&O HSP: RF DATA 151 057 120. S/C REJ 000 0.
183		ASE	Enter/Execute 5A-121 (PCU 2 auto SW). VAL. SCR.	M&O HSP: RF DATA 151 056 121. S/C REJ 000 0.
184		ASE	Enter/Execute 5A-122 (Decoder SW). VAL. SCR.	M&O HSP: RF DATA 151 055 122. S/C REJ 000 0.
185		ASE	Enter/Execute 5A-123 (LMS Load 2). VAL. SCR.	M&O HSP: RF DATA 151 054 123. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
186		ASE	Enter/Execute 5A-124 (LMS Load 2). VAL. SCR.	M&O HSP: RF DATA 151 053 124. S/C REJ 000 0.
187		ASE ALSEP NETWORK	Enter/Execute 5A-125 (LMS Load 3). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 151 052 125. S/C REJ 000 0.
188		ASE	Enter/Execute 5A-127 (LMS Load 4). VAL. SCR.	M&O HSP: RF DATA 151 050 127. S/C REJ 000 0.
189		ASE	Enter/Execute 5A-131 (Spare 131). VAL. SCR.	M&O HSP: RF DATA 151 046 131. S/C REJ 000 0.
190		ASE	Enter/Execute 5A-132 (LMS Load 5). VAL. SCR.	M&O HSP: RF DATA 151 045 132. S/C REJ 000 0.
191		ASE	Enter/Execute 5A-133 (LMS Load 6). VAL. SCR.	M&O HSP: RF DATA 151 044 133. S/C REJ 000 0.
192		ASE	Enter/Execute 5A-134 (LMS EX). VAL. SCR.	M&O HSP: RF DATA 151 043 134. S/C REJ 000 0.
193		ASE	Enter/Execute 5A-135 (HFE Mode/G SEL) VAL. SCR.	M&O HSP: RF DATA 151 042 135. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
194		ASE	Enter/Execute 5A-136 (HFE Mode/LK SEL). VAL. SCR.	M&O HSP: RF DATA 151 041 136 S/C REJ 000 0.
195		ASE	Enter/Execute 5A-140 (HFE Mode/LK SEL). VAL. SCR.	M&O HSP: RF DATA 151 037 140. S/C REJ 000 0.
196		ASE	Enter/Execute 5A-141 (HFE Seg./FUL SEL). VAL. SCR.	M&O HSP: RF DATA 151 036 141. S/C REJ 000 0.
197		ASE	Enter/Execute 5A-142 (HFE Seq./P1 SEL). VAL. SCR.	M&O HSP: RF DATA 151 035 142. S/C REJ 000 0.
198		ASE	Enter/Execute 5A-143 (HFE Seg./P2 SEL). VAL. SCR.	M&O HSP: RF DATA 151 034 143. S/C REJ 000 0.
199		ASE	Enter/Execute 5A-144 (HFE Load 1). VAL. SCR.	M&O HSP: RF DATA 151 033 144. S/C REJ 000 0.
200		ASE	Enter/Execute 5A-145 (HFE Load 2). VAL. SCR.	M&O HSP: RF DATA 151 032 145 S/C REJ 000 0.
201		ASE	Enter/Execute 5A-146 (HFE Load 3). VAL. SCR.	M&O HSP: RF DATA 151 031 146 S/C REJ 000 0.
202		STATION	Select Format 3	

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
203		ALSEP NETWORK	Enter LSP Start.	
204		ASE	Enter/Execute 5A-150 (Spare 150). VAL. SCR.	M&O HSP: RF DATA 151 027 150 S/C REJ 000 0.
205		ASE	Enter/Execute 5A-152 (HFE HTR Step). VAL. SCR.	M&O HSP: RF DATA 151 025 152 S/C REJ 000 0.
206		ASE	Enter/Execute 5A-153 (Spare 153) VAL. SCR.	M&O HSP: RF DATA 151 024 153. S/C REJ 000 0.
207		ASE	Enter/Execute 5A-154 (Spare 154). VAL. SCR.	M&O HSP: RF DATA 151 024 154. S/C REJ 000 0.
208		ASE	Enter/Execute 5A-155 (Spare 155). VAL. SCR.	M&O HSP: RF DATA 151 022 155. S/C REJ 000 0.
209	G6	ASE ALSEP NETWORK	Enter/Execute 5A-156 (LSP XMTR On). VAL. SCR. Confirm ALCS ALSEP A auto history printout.	M&O HSP: RF DATA 151 021 156. S/C REJ 000 0.
210		ASE	Enter/Execute 5A-160 (Spare 160). VAL. SCR.	M&O HSP: RF DATA 151 017 160. S/C REJ 000 0.
211		ASE	Enter/Execute 5A-162 (LSP XMTR Off). VAL. SCR.	M&O HSP: RF DATA 151 015 162. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
212		ASE	Enter/Execute 5A-163 (LSP Gain Norm). VAL. SCR.	M&O HSP: RF DATA 151 014 163. S/C REJ 000 0.
213		ASE	Enter/Execute 5A-164 (LSP Gain Low). VAL. SCR.	M&O HSP: RF DATA 151 013 164. S/C REJ 000 0.
214		STATION	Select Format 1-5A-1B	
215		ALSEP NETWORK	Enter LSP Stop	
216		ASE	Enter/Execute 5A-165 (Spare 165). VAL. SCR.	M&O HSP: RF DATA 151 012 165. S/C REJ 000 0.
217		ASE	Enter/Execute 5A-166 (Spare 166). VAL. SCR.	M&O HSP: RF DATA 151 011 166. S/C REJ 000 0.
218		ASE	Enter/Execute 5A-170 (LSP GEO CAL). VAL. SCR.	M&O HSP: RF DATA 151 007 170. S/C REJ 000 0.
219		ASE	Enter/Execute 5A-171 (Spare 171). VAL. SCR.	M&O HSP: RF DATA 151 006 171. S/C REJ 000 0.
220		ASE	Enter/Execute 5A-172 (Spare 172). VAL. SCR.	M&O HSP: RF DATA 151 005 172. S/C REJ 000 0.
221		ASE	Enter/Execute 5A-174 (Decoder SW INH). VAL. SCR.	M&O HSP: RF DATA 151 003 174. S/C REJ 000 0.

Table 2. (Continued)

SEQ	TEST	POSITION	ACTION AND REMARKS	INDICATION
222		ALSEP NETWORK	Take ALCS ALSEP A and B history.	
223		STATION	Remove modulation and bring the ALSEP carrier down. Request command EOF (CAM 996).	M&O HSP: CMD H EOF REQ CMD EOF.
224		STATION	Request Command EOF (CAM 996).	M&O HSP: CMD H EOF REQ CMD H EOF.
225		STATION	Force an RSDP recovery and notify when computer is cycling.	
226		ALSEP NETWORK	Enter/Execute 1B-777 (ALSEP RTC inventory). VAL. NOTE: Approximately 7 minutes to printout. All critical groups should be disabled.	M&O HSP: INV SUM IN PROGRESS.
227		ALSEP NETWORK STATION	Start test debriefing while RTC inventories are printing.	
228		STATION	Upon completion of ALSEP inventory, execute LSP RTC inventory. CAM (982). NOTE: All critical groups should be disabled.	
229		STATION	Execute ROACH (LSD) for all vehicles and all times. NOTE: This SEQ performed upon completion of ALSEP inventory.	

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Table A-1. Distribution List

Recipient	Location	Issue And Copies * Original Issue 12 April 1976
Kundel, K.	CF5	3
Ward, M.	FS4	2
Metcalf, G.	FS4	2
Richeson, G.	FS6	1
Bates, J.	TN3	1
Verill, G.	30/1069	6
Mitrano, J.	30/1041	2
Webb, D.	30/1047	2
Brantley, C.	30/1047	2
Heinz, F.	TDX	3
Kunselmann	Univ. of Texas Marine Science Institute Suite 105 Galveston, Texas	2
Dannessa, A.	GSFC, 863.3	12
Station Dir.	ACN	5
"	AGO	5
"	BDA	5
"	ETC	5
"	GDS	5
"	GWM	5
"	HAW	5
"	MIL	5
"	MAD	5
"	ORR	5
"	ROS	5
"	QUI	5
"	ULA	5
"	VAN	5
TOTAL		108

NASA-JSC